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Titel

AUSTIN - Advanced UV-Image-Setting Technology Initiative

Kurzbeschreibung

Motivation: The UV-setter is an exposing machine that transfers digital images onto UV-light-sensitive offset printing plates. Driven by customer demands as well as technological improvements, the UV-Setter has undergone many modifications and enhancements. Due to this rather evolutionary process, numerous components, such as cables, controllers, motors, mechanical components, etc., compete for the resources and make it very hard to add new features and maintain the UV-setter.

Bearbeiter



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Publikationen

- Joost, R., Salomon, R. High Quality Offset Printing: An Evolutionary Approach. In *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO 2007)*, pp. 2053-2058, 2007.
- Joost, R., Salomon, R. Hardware-Software Co-Design in Practice: A Case Study in Image Processing. In *Proceedings of the 32nd Annual Conference of the IEEE Industrial Electronics Society (IECON 2006)*, pp. 3674-3679 2006.
- Joost, R., Salomon, R. Advantages of FPGA-Based Multiprocessor Systems in Industrial Applications. In *Proceedings of the 31st Annual Conference of the IEEE Industrial Electronics Society (IECON 2005)*, 2005.

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